Index of Claims

| Applic | ation/Co | ontrol | No. |
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09/982,820

Examiner

Shawn S. An

Applicant(s)/Patent under Reexamination

ANDO ET AL.

Art Unit

2621

| √ . | Rejected |
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| 1   | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim        | Date     |              |          |   |                 |            | Date Claim Date |              |          |          |             |          |                    |                 |   |   |   | 7                       | Ci       | aim      | Date |                 |            |          |  |          |          |              |                 |                 |     |          |
|----------|------------|----------|--------------|----------|---|-----------------|------------|-----------------|--------------|----------|----------|-------------|----------|--------------------|-----------------|---|---|---|-------------------------|----------|----------|------|-----------------|------------|----------|--|----------|----------|--------------|-----------------|-----------------|-----|----------|
| <u> </u> | Ι          | $\vdash$ |              | Γ        | Π   | T               | Ť          | Π               | Г            |          | t        |             |          |                    | П               | Т   | Ť   | Ť   | Т                       | Т        | T        | 1    |                 | T          | 1        |  | Π        | Τ        | Ī            | Ť               |                 |     | <u> </u> |
| <u>~</u> | Original   | 4/25/06  |              |          |   |                 | ١.         |                 | ĺ            |          |          | <u>a</u>    | Original |                    |                 |   | -   | H   |                         |          |          |      | ਰ               | Original   |          |  |          |          |              | }               |                 |     | l        |
| Final    | rj.        | 125      |              | l        |   |                 |            | l               | l            |          |          | Final       | ij       |                    | - 1             |   |   |   |                         |          |          | 1    | Final           | rig        | 1        |  |          |          | !            | ŀ               |                 |     |          |
|          | 0          | 4        |              |          |   |                 | 1          |                 | l            |          | - 1      |             | 0        |                    |                 |   |   |   |                         | 1        |          |      |                 | 0          |          |  |          |          | 1            | ļ               |                 |     |          |
|          | 1          |          |              |          | <b>!</b>  | T               | T          |                 | Г            | П        | T        |             | 51       | П                  | ヿ               | T   | 7   | $\top$  | ╅                       | $\top$   | 1        | 1    |                 | 101        |          | <u> </u>                                     | ┢        | 1        | T            | Т               | П               |     | _        |
| 2        | 2          | =        |              |          | Т   |                 |            | Г               |              | П        | r        |             | 52       | П                  | 一               | 7   | 7   | $\top$  | 十                       | $\top$   |          | 1    |                 | 102        | T        | T  | T        |          |              | T               | П               |     |          |
| 3        | 3          | =        | Π            |          |   |                 |            |                 |              |          |          |             | 53       | П                  |                 |   |   | ┪   | $\top$                  | Τ-       | $\top$   | 1    |                 | 103        | Г        |  | T        | ┌        |              |                 | П               |     |          |
| 4        | 4          | =        |              |          | Π   |                 |            |                 |              |          | F        |             | 54       |                    |                 | T   | ╗   | T   | Т                       | 1        |          | 1    |                 | 104        |          |  | Ī        |          | Г            | Г               |                 |     |          |
| 1        | 5          | =        |              |          |   |                 |            |                 |              |          |          |             | 55       |                    |                 |   |   |   | Т                       |          |          | 1    |                 | 105        |          |  |          |          |              |                 |                 |     |          |
| 5        | 6          | =        |              |          |   | Π               |            |                 |              |          |          |             | 56       |                    |                 |   | $\Box$  | Т   |                         |          |          | 1    |                 | 106        |          |  |          |          |              |                 |                 |     |          |
|          | -7-        |          |              |          |   |                 |            |                 |              |          |          |             | 57       |                    |                 |   |   | $\Box$  |                         |          |          |      |                 | 107        |          |  |          |          |              |                 |                 |     |          |
|          | -8-        |          |              |          |   | L               |            |                 |              |          |          |             | 58       |                    |                 |   |   |   |                         |          |          |      |                 | 108        |          |  |          |          |              |                 |                 |     |          |
|          | 0          | L        |              | L        |   | L               | L          | L               |              |          | L        |             | 59       |                    | $\perp$         |   |   |   |                         |          |          |      |                 | 109        |          |  | <u> </u> |          | L            |                 |                 |     |          |
|          | -10        |          | <u> </u>     | <u> </u> | L   | <u> </u>        |            |                 |              | Ш        | L        |             | 60       | Ш                  |                 |   |   |   | 丄                       | $\perp$  |          | ]    |                 | 110        | L        | _  | L        | <u> </u> | _            |                 |                 |     |          |
|          | -11        |          | <u> </u>     | <u> </u> | <u> </u>  | <b>L</b>        | <u>L</u> _ | <u> </u>        | Ļ            | Ш        | L        |             | 61       | $\sqcup$           | $\perp$         |   | $\perp$   | $\perp$   | _ _                     | $\perp$  | 4        | 1    |                 | 111        |          | <u> </u>                                     | <u> </u> |          |              |                 |                 |     |          |
| 6        | 12         | =        |              | ļ.,      | <u>L</u>  | _               | <u> </u>   |                 | <u> </u>     | _        | L        |             | 62       | Ш                  | _               | _   |   | $\perp$   | _                       | 1        |          | 1    | <u> </u>        | 112        | <u> </u> | <u> </u>                                     | <u> </u> | _        | _            |                 |                 |     |          |
| L        | -13        | <b> </b> | <u> </u>     | <u> </u> | $\vdash$  | <u> </u>        | _          | L               | <u> </u>     |          | L        |             | 63       | $\sqcup$           | _               | 4   | $\bot$  | 4   | 4.                      | 1        | 4        | 1    |                 | 113        | <u> </u> | $\vdash$                                     | $\vdash$ | <u> </u> | <u></u>      | <u> </u>        | Ш               |     | <u> </u> |
| 7        | 14         | =        | <u> </u>     | _        | <b>⊢</b>  | <u> </u>        | <u> </u>   | ┞               | <u> </u>     |          | F        |             | 64       | $\sqcup$           | _               | 4   | $\perp$   | _   |                         | +        | 4        | 1    | L               | 114        | <u> </u> | <u> </u>                                     | L        | _        | _            | lacksquare      |                 |     |          |
|          | -15<br>-16 |          | $\vdash$     | _        | 1   | $\vdash$        | ⊢          | ļ               | -            |          | L        |             | 65       | $\vdash \vdash$    | $\dashv$        | $\dashv$  | +   | +   | +                       | +        | -        | 1    | $\sqcup$        | 115        | <u> </u> | <del> </del>                                 | -        | ļ        | ⊢            | $\vdash$        | Ш               | L., | L        |
|          | 16         | <u> </u> | <del> </del> | <u> </u> | Ь.  | ₽-              | -          |                 | ├            | Щ        | -        |             | 66       | $\vdash \vdash$    | $\dashv$        | -   | -   | +   | +                       | +        | +        | 1    | $\vdash \vdash$ | 116        |          | <del>  -</del>                               | ⊢        | $\vdash$ | ⊢-           | $\vdash$        | $\vdash \dashv$ |     |          |
|          | 17<br>18   |          | H            | <u> </u> | ├-  | ├               | -          | _               |              |          | _        |             | 67       | H                  |                 | 4   | +   | +   | +-                      | +        | +-       | -    | <u> </u>        | 117        |          | ⊢  | <u> </u> | _        | -            | <u> </u>        |                 |     |          |
|          | 19         | <u> </u> |              | <u> </u> | Ͱ   | ├               | -          |                 | _            |          | -        |             | 68       | $\left  - \right $ | -               | -   | +   | +   |                         | +        |          | 1    |                 | 118        | _        | <u>.                                    </u> | <u> </u> | ļ        | <u> </u>     | _               | Н               |     | _        |
|          | 20         |          |              | -        | ├   | ├-              | -          | -               | <del> </del> | -        | - }-     |             | 69<br>70 | $\vdash$           | $\dashv$        | +   | +   | +   | +-                      | +-       | +-       | 1    |                 | 119        | H        | -  | _        |          | H            | H               |                 |     |          |
|          | 21         |          | H            | ⊢        |   | ⊢               |            | -               | ├            |          | _ }-     |             | 71       | Н                  | +               | +   | +   | +   | +-                      |          | +-       | ┨    |                 | 120<br>121 | ├-       | -  | $\vdash$ | -        | -            | ⊢               | $\vdash$        |     |          |
|          | 22         |          | $\vdash$     | ⊢        | ⊢   | -               | -          | ├               | ├            |          | H        |             | 72       | H                  | -               | +   | +   | +   | +                       | ╫        | ┿        | -    |                 | 122        | _        | $\vdash$                                     |          | ⊢        | -            |                 | -               |     | _        |
|          | 23         | H        | -            | ├        | ┢   | ╁               | -          | $\vdash$        | <del> </del> | $\dashv$ | ┝        |             | 73       | $\vdash$           |                 | +   | +   | +   | +                       | +        | -        | ┨    |                 | 123        | ┢        | $\vdash$                                     | -        | -        | ┢            |                 | -               |     |          |
|          | 24         | $\vdash$ |              | -        |   |                 |            |                 | -            | -        | H        |             | 74       | $\vdash$           | $\dashv$        | +   | +   | +   | +                       | ╁        | +-       | ł    |                 | 124        | -        | ├  | -        | -        | ⊢            |                 | $\vdash$        |     |          |
|          | 25         | $\vdash$ | -            |          | -   | $\vdash$        | -          | Н               | $\vdash$     | -        | -        |             | 75       | ┝╌┤                | $\dashv$        | $\dashv$  | ┿   | +   | +-                      | ┿        | +-       | -    | $\vdash$        | 125        | ┝        | -  | ├        | -        |              | $\vdash$        | $\dashv$        | _   | _        |
|          | 26         |          |              |          |   |                 | -          | $\vdash$        | ┝            | -        | ┝        | -           | 76       | Н                  | $\dashv$        |   | $\dashv$  | +   | ╫                       | +        | +-       | 1    |                 | 126        | $\vdash$ |  | ┢        | $\vdash$ | <del> </del> | _               | $\vdash$        | _   |          |
|          | 27         |          | _            | _        |   |                 | <u> </u>   |                 | H            |          | ┢        |             | 77       | $\vdash$           | $\dashv$        | +   | +   | +   | +-                      | +        | +-       | 1    | $\vdash$        | 127        | -        |  | $\vdash$ |          | ┢╌           | -               |                 |     | _        |
|          | 28         |          | _            |          | H   |                 | 一          |                 |              | $\dashv$ | <br>     |             | 78       |                    | $\dashv$        | $\dashv$  | $\pm$   | +   | +                       | +        | +-       | 1    | $\vdash$        | 128        | _        |  |          | $\vdash$ |              |                 | $\dashv$        | _   |          |
|          | 29         |          |              |          |   |                 | -          |                 |              |          | <b> </b> | T           | 79       | _                  | 十               | 十   | 十   | ╅   | +                       | +        | 1-       | 1    |                 | 129        | $\vdash$ | 1  |          |          |              | Н               |                 |     |          |
|          | 30         |          |              |          |   |                 |            |                 |              | $\neg$   | F        | $\neg \neg$ | 80       | Ħ                  | $\neg \uparrow$ | $\top$  | T   | $\top$  | +                       | 十        |          | 1    |                 | 130        |          |  |          | <b>-</b> | -            |                 | T               |     |          |
|          | 31         |          |              |          |   |                 |            |                 |              | ᆿ        |          | $\neg$      | 81       | Ħ                  | T               | T   | 1   | _   | $\top$                  | †        | 1-       | 1    |                 | 131        | _        |  |          | $\vdash$ |              |                 |                 |     |          |
|          | 32         |          |              |          |   |                 |            |                 |              |          |          |             | 82       |                    |                 | T   |   |   |                         | T        | 1        | 1 1  |                 | 132        |          |  |          |          |              |                 |                 |     |          |
|          | 33         |          |              |          |   |                 | Г          |                 |              | $\neg$   |          |             | 83       |                    | 一               | T   | $\top$  | T   | 1                       | T        | 1-       | 1    |                 | 133        |          | П  |          |          | Г            |                 | $\neg$          |     |          |
|          | 34         |          |              |          |   |                 |            |                 |              |          |          |             | 84       |                    |                 |   | I   |   | Ι                       | Ι        |          | ]    |                 | 134        |          |  |          |          |              |                 |                 |     |          |
|          | 35         |          |              |          |   |                 |            |                 |              |          |          |             | 85       |                    | $\Box$          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | $oldsymbol{ol}}}}}}}}}}}}}}}$ | $oxed{\Box}$            | Ι        | I        |      |                 | 135        |          |  |          |          |              |                 |                 |     |          |
|          | 36         |          |              |          |   |                 |            |                 |              |          |          |             | 86       |                    | $oxed{oxed}$    |   |   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $oldsymbol{\mathbb{T}}$ | Ι        | Ι        |      |                 | 136        |          |  |          |          |              |                 |                 |     |          |
|          | 37         | Ш        |              |          | Щ   |                 |            |                 |              |          |          |             | 87       |                    | $\bot$          | $oldsymbol{ol}}}}}}}}}}}}}} $ |   |   |                         | L        |          |      |                 | 137        |          |  |          |          |              |                 |                 |     |          |
|          | 38         |          | Ш            |          | $ldsymbol{ld}}}}}}$ | Ш               |            | Ш               |              |          |          | $\bot$      | 88       |                    | $\perp$         |   |   |   |                         |          |          |      | I               | 138        |          | Ш  |          |          |              |                 |                 |     |          |
|          | 39         | Ш        |              |          | $oxed{oxed}$  | Щ               | _          | Ш               |              | _        | L        |             | 89       |                    | _               | $\perp$   | $\perp$   | $\perp$   |                         | ┸        |          | ]    | $\Box$          | 139        |          |  |          |          |              |                 |                 |     |          |
|          | 40         |          |              |          | <u> </u>  | $\perp$         | L_,        | Ш               |              |          |          |             | 90       |                    |                 | $\perp$   | $\perp$   | $\perp$   | $\perp$                 | $\perp$  |          |      |                 | 140        |          |  |          |          |              |                 | $\Box$          | ]   |          |
|          | 41         |          |              |          | $\sqcup$  | Ш               | Щ          | Ш               | Ш            | _        | L        |             | 91       |                    |                 | $\perp$   | _   | 4   | +-                      | $\perp$  | <u> </u> |      | igsqcut         | 141        | L        | Щ  | L_       |          | Щ            | Ш               | $\Box$          |     |          |
|          | 42         |          | _            |          |   | L               | Ш          |                 |              | $\dashv$ | L        |             | 92       | _                  | $\dashv$        | _   | $\bot$  | 4   | 1                       | ╀        | -        |      |                 | 142        |          | Ш  | Щ        | Щ        | Ш            | Ш               |                 | _   |          |
|          | 43         | _        |              |          | $\vdash$  | $\vdash$        | Щ          |                 | -            | 4        | L        |             | 93       | 4                  | +               | +   | +   | 4   | +                       | +        | 4        |      | <u> </u>        | 143        |          |  |          | L        | Ш            | $\sqcup \sqcup$ |                 |     | _        |
|          | 44         |          | $\dashv$     | _        |   | Н               |            | $\vdash$        | _            | _        | F        | _           | 94       | $\dashv$           | $\dashv$        | +   | 4   | -∔-   | +-                      | <u> </u> | +        |      | <b>  </b>       | 144        |          |  |          |          | Щ.           | Ш               | _               | _   |          |
|          | 45         | $\dashv$ | $\dashv$     | _        | $\vdash$  | $\vdash$        |            | $\vdash \vdash$ |              | _        | $\vdash$ |             | 95       |                    | +               | +   | +   | 4   | 4_                      | 4        | 4        |      |                 | 145        |          |  |          |          |              |                 | _               | _   |          |
|          | 46<br>47   |          | $\dashv$     | _        | Н   | $\vdash\vdash$  | $\dashv$   | -               | -            | $\dashv$ | F        |             | 96       | $\dashv$           | $\dashv$        | +   | +   | +   | +                       | ╀        |          |      |                 | 146        |          | $\vdash \vdash$                              | Щ        |          | Ш            | -               | _               |     | _        |
|          | 48         |          | $\dashv$     |          | $\vdash$  | $\vdash$        | $\dashv$   | $\vdash$        | _            | $\dashv$ | ⊢        |             | 97       | $\dashv$           | +               | +   | +   | +   | +                       | +        | -        |      | <u> </u>        | 147        |          | $\vdash$                                     |          |          | _            | $\sqcup$        | _               | 4   | 괵        |
|          | 49         | $\dashv$ | $\dashv$     |          | $\vdash$  | $\vdash \vdash$ | -          |                 |              | $\dashv$ | $\vdash$ |             | 98<br>99 | -+                 | +               | +   | +   | +   | +                       | +-       | +-       |      | <b>├</b> ─┤     | 148        |          | $\vdash$                                     |          | =        |              | $\vdash$        | $\dashv$        | _   |          |
|          | 50         | $\dashv$ | {            | _        | $\vdash$  | $\vdash \vdash$ | $\vdash$   |                 |              | $\dashv$ | H        | $\dashv$    | 100      | -+                 | +               | +   | ╁   | ╁   | +                       | +        | +        |      | <del>  </del>   | 149<br>150 |          |  |          | $\dashv$ | $\dashv$     | $\dashv$        | $\dashv$        | -   |          |
|          | ~~         |          |              |          |   |                 |            |                 |              |          | L        | L           | 100      |                    | - 1             | - 1   | - 1   | _ 1   | 1                       | 1        | 1 1      | ıl   | · 1             | 100        | - 1      | 1  |          |          | . 1          |                 | - 1             | - 1 | - 1      |